

Rub Alc  
Vol 20 No. 2

Vulcanized Nat. Rub.

**666. Microdetermination of sulphur in vulcanised rubber by melting with metallic potassium.** B. A.

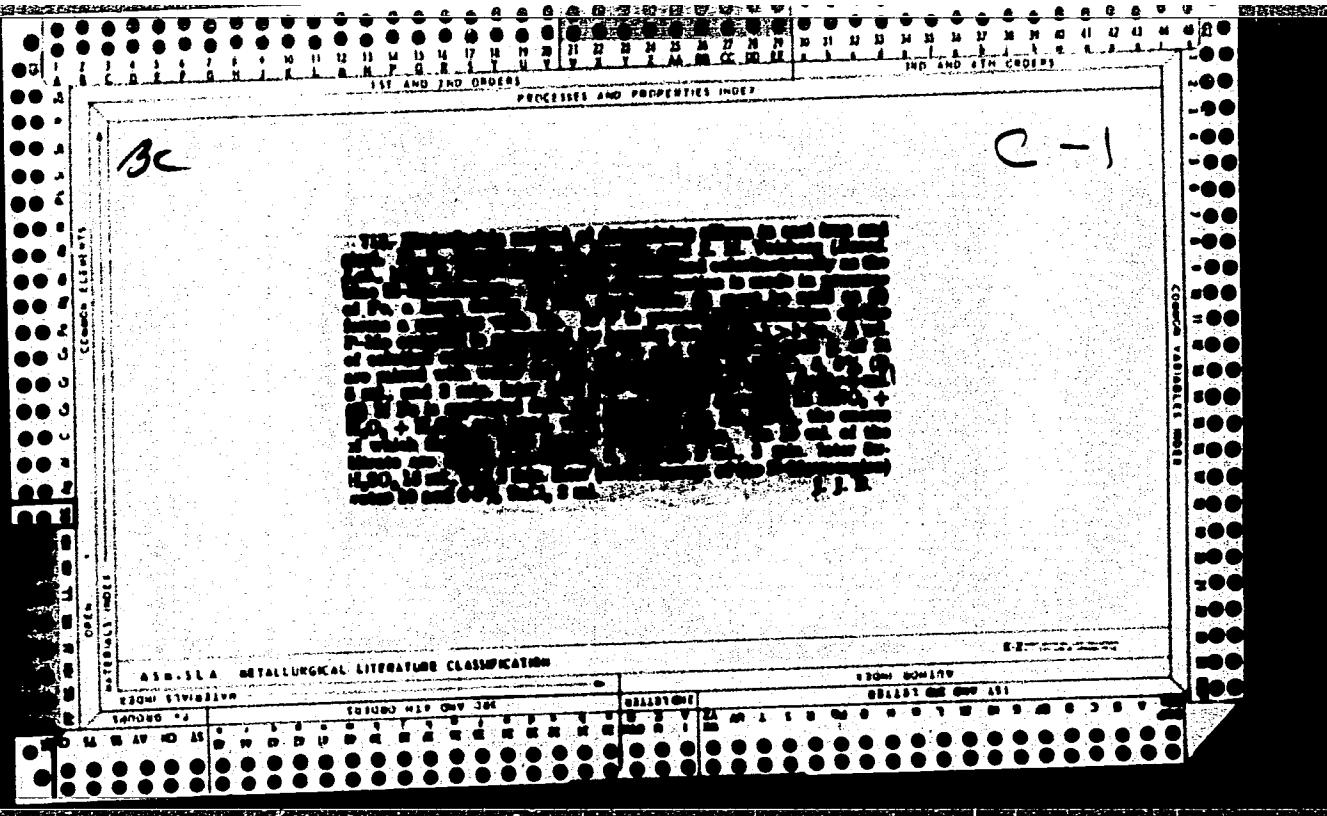
Rakauskas. *Zagad. Lab.*, 1950, **16**, 301. *J. Russichesk. Chim. Gidromet. i Tekhnichesk. Gidromet.* 1951, **4**, 116. In a small test tube 5 to 10 mg. of finely divided vulcanizate is melted together with a small pea of potassium, the glass being drawn out to form a capillary. Upon light heating a reaction takes place with the formation of brown fumes. The capillary is then heated further, whereupon it bursts and the compressed glass escape. The bottom of the ampoule is heated, and distilled water is poured over it in a flask; whereupon the ampoule bursts and the fused mass passes into solution. The flask is connected to the apparatus for driving off hydrogen sulphide, the contents are heated to boiling point, and nitrogen blown through the system for 5 min. Then 1 : 10 diluted hydrochloric acid is dropped in until an acid reaction is obtained. The hydrogen sulphide is absorbed in 2 cc.

3 cc. of 20% caustic potash solution. After adding 0.5 cc. of 0.02N potassium iodate solution, 2 cc. of 10% potassium iodide solution and 6 cc. of 3N hydrochloric acid, titration is performed with 0.02N sodium thiosulphate solution. Determination takes from 30 to 35 min. 6661

1952

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CA

29

Tanning with mixtures of sulfite pulp and vegetable extracts and the tannin balance. I. I. Resnik and E. Kelle-Shaginova. *Otdelenie Tekhn. Ser., Kosherstvo Prirudnoe* 1932, No. 11-12, 45-6; *Chem. Zentr.* 1933, II, 3978-9.—By consideration of the tannin balance it is shown that no loss of tanning principles occurs upon mixing oak-wood or pine-bark exts. with sulfite-pulp ext. M. G. M.

Tanning of upper leather and cowhides with sulfite-cellulose extract ZNIKP No. 1. I. I. Rosnik. Oxaletnic. Treh. (Nov. Kozhennaya Protsessirovka) 1932, 48 (4). Chem. Zemir. 1933, II, 3079.—A boiled soln. of equal parts of willow bark or oak wood and sulfite-cellulose ext. is used to prep. an 11 or 13 coloration. A well-tanned leather is

thus obtained. A pure sulfite-cellulose treatment gives at low pH an elastic light upper leather. By after-tanning in a weak willow- or oak-wood bath a drying of the grain which accompanies pure sulfite-cellulose tanning is avoided. P. S. Ruler

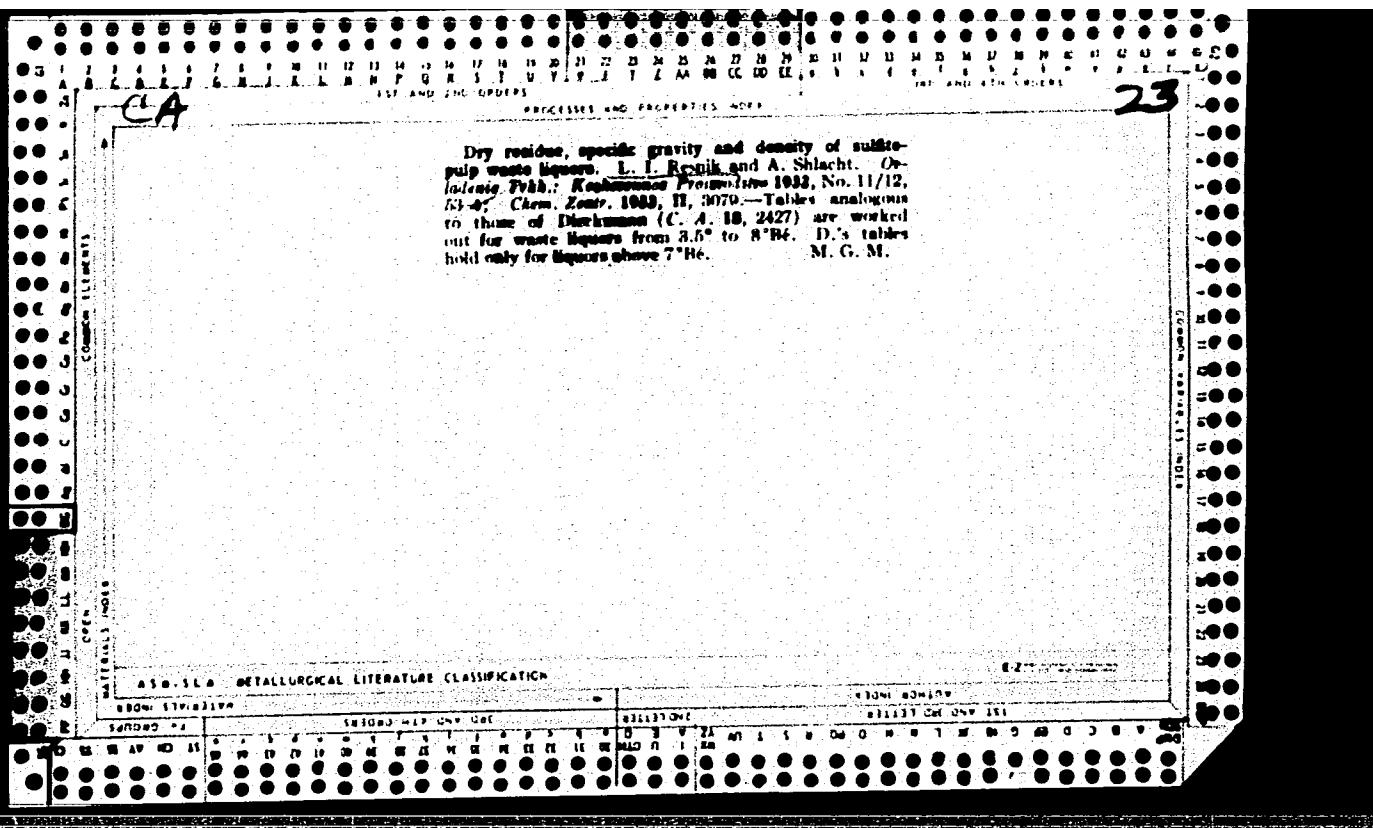
## ASB-LSA METALLURGICAL LITERATURE CLASSIFICATION

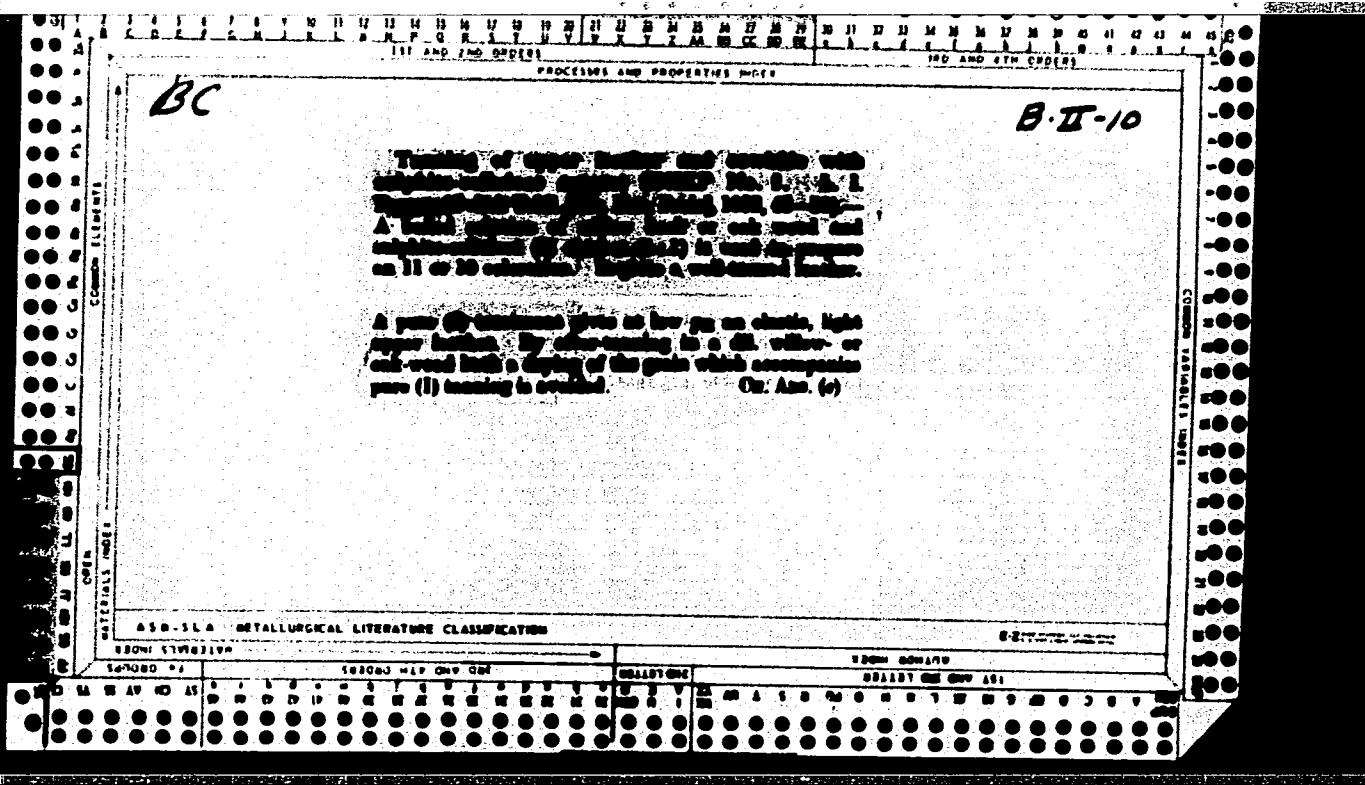
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RE SNIK, P. A.

USSR/Zooparasitology - Ticks and Insects (Disease Transmitters)

P-3

Abs Jour : Referat Zhur - Biologii, No 16, 1957, 70164

Author : Resnik, Pl A.

Title : The Problem of the Influence of Geographical Factors on  
the Animal Coloring.Orig Pub : Materiały k poznaniu fauny i flory SSSR, ctd, zool. 1956,  
34(49), 107-112

Abstract : Adding his own observations to published data, the author concludes that in Dermacentor ticks there is the same connection in coloring with the climatic conditions as can be found in other animals i.e. birds and insects. The examples given are two aspects of our fauna: *D. marginatus* and *D. daghestanicus*, and 2 aspects of this kind of Northamerican fauna. Among these ticks, the light colored ones (with a more developed white pigmentation) are found in areas with a smaller amt. of precipitation, and the darker ones in places with more moisture. The forms

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Card 1/2

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USSR/Zooparasitology - Ticks and Insects (Disease Transmitters)

Abs Jour : Referat Zhur - Biologii, No 16, 1957, 70164

inhabiting a larger area as *D. Marginatus*, in places of lower moisture, the coloring approaches that of *D. Daghestanicus* found usually in desert zones and not going beyond limits of 200 mm yearly precipitation. Some overlapping of differently colored forms is explained by the author by the transport of ticks by hosts and by peculiarities of the microclimate of the places where the development of the immature stages of ticks takes place. Three tables and Drawings of ticks are shown.

Card 2/2

- 11 -

RE SNIK, P. A.

USSR/Zooparasitology - Ticks and Insects (Disease Transmitters)

RENNIKOV, A.B.

Problems in the field of neuropathology and psychiatry according  
to the Pavlovian theory. Soviet. med. 16 no.3:34-37 Mar 1952.  
(CLML 22:1)

1. Doctor Medical Sciences. 2. Moscow.

RESNIKOV, A.D.

132. USE OF ELECTRIC CURRENTS IN THE PREPARATION OF ANTHRACITE SEAMS  
FOR UNDERGROUND GASIFICATION. Lyandres, S.N. and Resnikov, A.D. (Podzem.  
Gazif. Nelya (Undergr. Gasif. Coal), Moscow, 1957, (1), 5-22; abstr. in  
Gluckauf, 28 Sept. 1957, vol. 93, 1247).

RESNIKOV, B.L., kand.tekhn.nauk, dots.

Centrifugal oil filter for the D50 diesel motor. Elek. i tepl.  
tiaga 3 no.9:12-14 S '59. (MIRA 13:2)  
(Diesel engines)

RESNIKOV, V.M.; KHOL'KIN, Yu.I.; PLOTNIKOV, G.S.

Analysis of the products and by-products of the furfurole  
manufacture at hydrolysis alcohol plants. Trudy Sib.tekh.  
inst. no.23:33-37 '59. (MIRA 14:4)  
(Furaldehyde) (Hydrolysis)(Wood--Chemistry)

## EXCERPTA MEDICA Sec.13 Vol.11/1 Dermatology, etc.Jan57

255. RESNIKOVA L. S., IJEVLEVA E. A., SARITCHEVA L. N. and PETROVAR.S.  
Centr. Dermato-Venerol. Inst., Moscow. \*Serological and electro-  
phoretic study of sera, dried and supplemented with a  
stabilizer for serodiagnosis of syphilis (Russian text)

VESTN. VENER. DERM. 1956, 2 (25-28)  
In the USSR the diagnostic serum for the Wassermann reaction is sent out as a  
dried drop; this makes it possible to use serological examinations on a wide scale  
in rural districts with no adequate laboratories. It has been found that the maximal  
storage time of the dried serum in the temperate zone is 10 days; for the southern  
zones of the USSR it is 5 days; after the time-limit a positive reaction may change  
into a negative one. The authors established that an addition of 3 drops of a 40%  
sugar solution to 0.5 ml. of serum has a stabilizing effect. It has been established  
that simultaneously with the lowering of the serological activeness of the dried

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CONT

sera their physico-chemical properties undergo marked changes: the gamma-globulin fraction disappears, the alpha and beta protein fractions coalesce in the electrophoretic diagram in one common peak. The electrophoretic diagram of sera dried with addition of sugar shows the presence of all globulin fractions with only a faint blotting of boundaries between. Kozhernikov - Leningrad (XIII, 2, 4)

*RESEARCH*  
EXCERPTA MEDICA Sec.4 Vol.10/1 Microbiology Jan 57

227. RESNIKOVA L.S., LEVLEVA E.A., SARITCHEVA L.N. and PETROVA R.S.

Centr. Dermato-Venerol. Inst., Moscow. \*The serological and electrophoretic study of sera, dried and supplemented with a stabilizer for serodiagnosis of syphilis (Russian text) VESTN. VENER. DERM. 1956, 2 (25-28)

In the USSR the diagnostic serum for the Wassermann reaction is sent out as a dried drop; this makes it possible to make use of the serological examinations on a wide scale in rural districts with no adequate laboratories. It has been found that the maximal storage time of the dried serum in the temperate zone is 10 days; for the southern zones of the USSR it is 5 days; after the time-limit a positive reaction may change to a negative one. The authors established that an addition of 3 drops of a 40% sugar solution to 0.5 ml. of serum has a stabilizing effect. Besides, the electrophoretic properties of the sera in a liquid, respectively dried state with addition of the preservative or without are described. It has been established that simultaneously with the lowering of the serological activity of the dried sera their physico-chemical properties undergo marked changes: the gamma-globulin fraction disappears, the alpha- and beta-protein fractions coalesce in the electrophoretic diagram in one common peak. The electrophoretic diagram of sera dried with addition of sugar shows the presence of all globulin fractions with only a faint blurring of boundaries between them.

Kozhernikov - Leningrad (XIII,2,4)

RESNIKOVA, L.S.

EXCERPTA MEDICA Sec.2 Vol.9/12 Physiology,etc. Dec 56

5457. RESNIKOVA L.S., IJEVLEVA E.A., SARITCHEVA L.N. and PETROVA R.S.  
Centr. Dermato-Venereol. Inst., Moscow. \*The serological and  
electrophoretic study of sera, dried and supplemented  
with a stabilizer for serodiagnosis of syphilis (Russian  
text) VESTN. VENER. DERM. 1956, 2 (25-28)

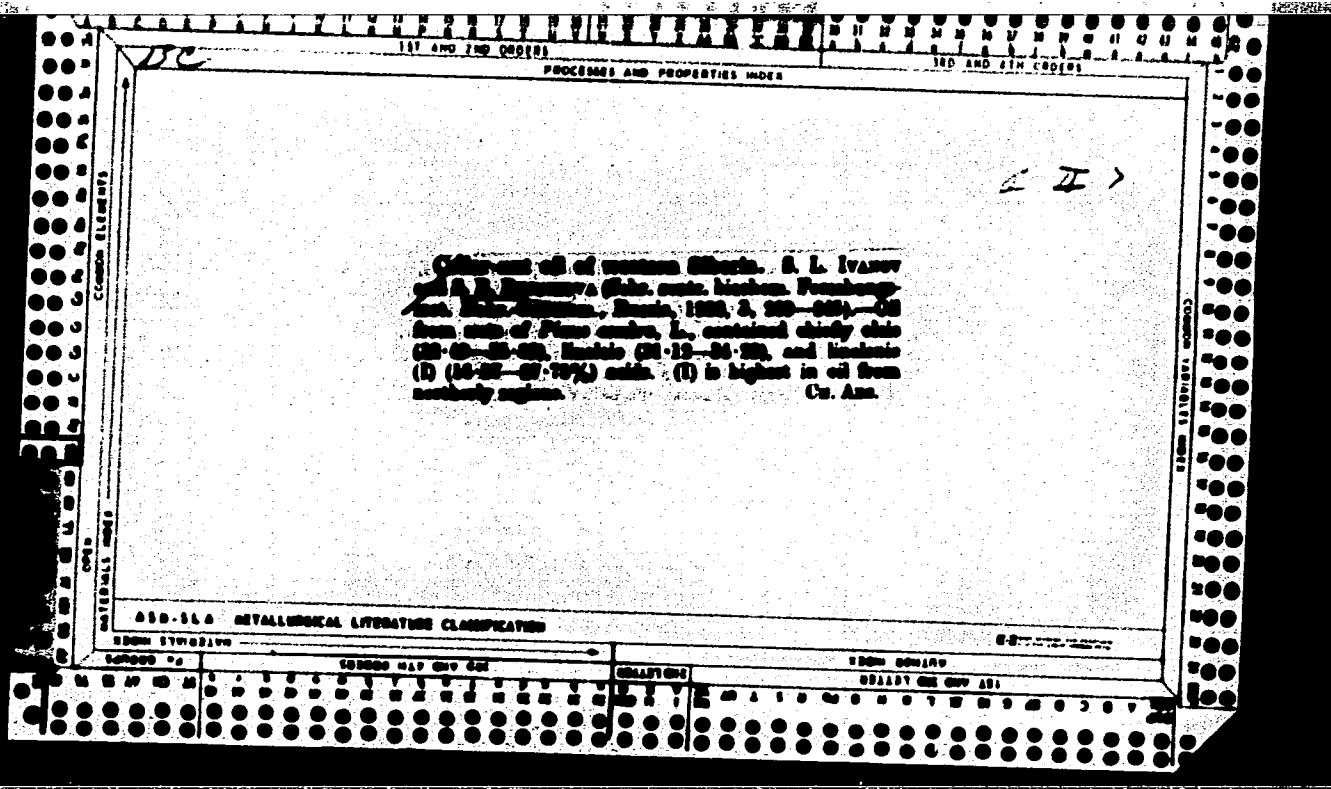
In USSR the diagnostic serum for the Wassermann reaction is sent out as a dried drop; this makes it possible to make use of the serological examinations on a wide scale in rural districts with no adequate laboratories. It has been found that the maximal storage time of the dried serum in the temperate zone is 10 days; for the southern zones of USSR it is 5 days; after the time-limit a positive reaction may change to a negative one. The authors established that an addition of 3 drops of a 40% sugar solution to 0.5 ml. of serum has a stabilizing effect. It has been established that simultaneously with the lowering of the serological activity of the dried sera their physico-chemical properties undergo marked changes: the  $\gamma$ -globulin fraction disappears, the  $\alpha$ - and  $\beta$ -protein fractions coalesce in the electrophoretic diagram in one common peak. The electrophoretic diagram of sera dried with addition of sugar shows the presence of all globulin fractions with only a faint blotting of boundaries between.

Kozhernikov - Leningrad (XIII, 2, 4)

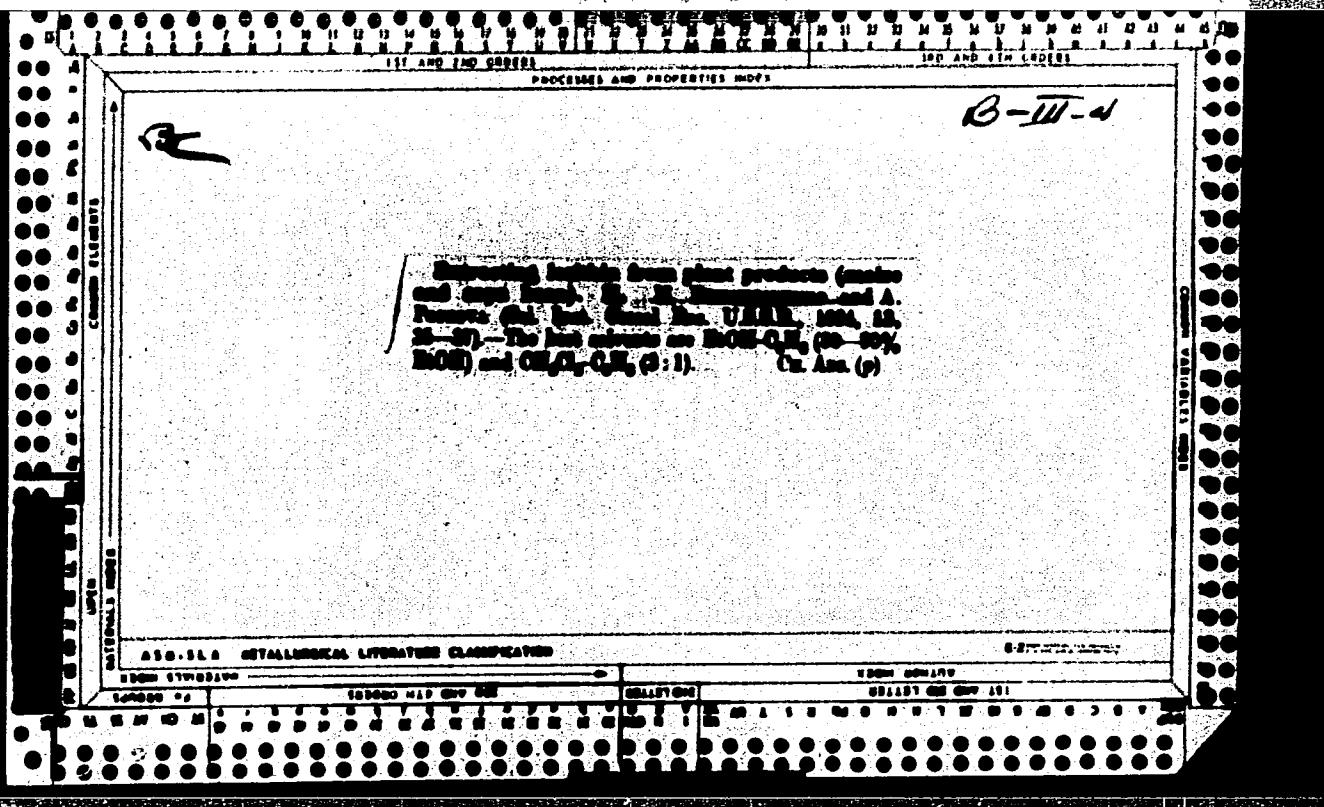
RESNIKOVA, L.S.; TROFIMOVA, L.Ya.

Serological reactions in patients with lupus erythematosus.  
Vest.derm.i ven. 35 no.3:36-40 Mr '61. (MIRA 14:4)

1. Iz ot dela dermatologii (zav. - prof. N.S. Smelov) i ot dela  
mikrobiologii (zav. - prof. N.M. Ovchinnikov) TSentral'nogo  
kozhno-venerologicheskogo instituta (dir. - kand.med.nauk  
N.M. Turanov) Ministerstva zdravookhraneniya RSFSR.  
(LUPUS)

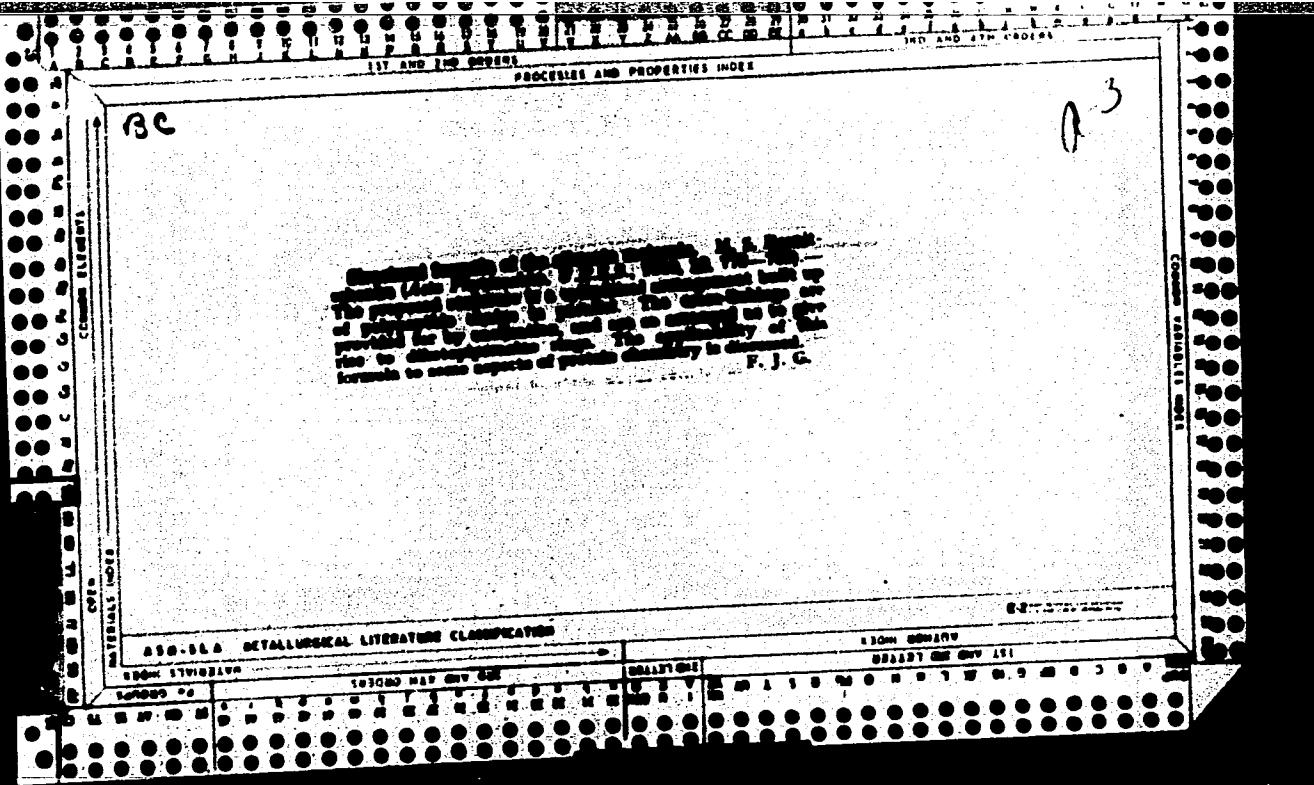


KESNIKOVSKY, M.M.,  
B. A. DOGABKIN, Colloidal J. USSR Sept.-Oct. 1949,  
(11-5 Bi-Mthly)pp 314-321, 3 illus, 1 tb, 15 eq.



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RESNIKOVA, N.L.

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71103

Author : Resnikova, N.L.

Title : The Effect of Speed of Filling of Hollow Organs (Intestine, Bladder) on the Magnitude of Electrical Potential of Active Skin Points.

Orig Pub : Fiziol. zh., 1955, 1, No 6, 92-100

Abstract : An indifferent electrode was placed on the shin of the right foreleg of a dog. With the aid of a movable electrode, active points for the duodenum (2-3 cm back of the free end of the last rib) and bladder (2-3 cm below III lumbar vertebra) were determined. Rapid filling of the duodenum (200 ml of 0.1 percent solution of HCl in 40 sec - 1 min.) produced a sharp increase in the amplitude and a change in magnitude of the skin potential. In rapid filling of the bladder (200 ml of physiological solution), there was an increase in potential without change

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• USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71103

in amplitude. In slow filling of organs (4 times in 50 ml. portions with a rest of 1-2 minutes), no change in potential was noted, and if present had no definite direction. The presence of reflex connections between the inner organs and the corresponding parts of skin, and the possibility of accounting, for these connections in the study of the meaning of speed of chemical changes in the organism, are confirmed.

Card 2/2

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*Russian, S.YA.*

PART I BOOK EXTRACTION 507/5164

*Vesnopravnoe sprosobishche po spanskim resul'tatam. Int., Moscow, 1937*  
*Nauchno-tekhnicheskij spetsial'nyj trudy... (Rare Metals and Alloys; Transactions of the*  
*Piast All-Union Conference on Rare-Metal Alloys) Moscow, Metallurgizdat, 1960.*  
*420 p., 5,500 copies printed.*

*Pravlenie Nauki Akademii nauch SSSR. Institut metallofiziki. USSR*  
*Nauchnoe po redakcii metallofizika pri Nauchno-tekhnicheskem bol'shote.*

*Ed. L.D. Sverdlov. Ed. of Publishing House: O.M. Kuznetsov, Tech. Ed.*  
*P.O. Intentions.*

*PURPOSE:* This collection of articles is intended for metallurgical engineers,

physicists and workers in the machine-building and radio-engineering industries.

It may also be used by students of schools of higher education.

*CONTENTS:* The collection contains technical papers which were presented and discussed at the Piast All-Union Conference on Rare-Metal Alloys, held in the Institute of Metalurgy, Academy of Sciences USSR in November 1957. Results of investigations of rare-metal alloys titanium and copper-base alloys with additions of zirconium, scandium, niobium and their alloys. The effect of rare-earth metals on properties of magnesium alloys and steels is analyzed. The uses of rhodium as a deobserating catalyst, electropolishing material, and material suitable for making plugs for automobile electrical systems are discussed. Besides the effect of the addition of certain elements on the properties of heat-resistant steel is examined and alloys with special physical properties (particularly semiconductive alloys) are discussed. No personalities are mentioned. Soviet and non-Soviet references are given in the case of the articles.

*PART II. PLATINUM AND COPPER-BASE ALLOYS WITH RARE-EARTH ADDITIONS*

507/5164

*Rare Metals (Cont.)*

*Lindner, F.J., J.C. Sommerville, and O.J. Paulsen. Wrought Magnesium Alloys* 209

*EDEN RARE-EARTH METALS* 209

*Gibson, M. Zadobinskij, and L.I. Menshikova. Magnesium Casting Alloys* 219

*Dzhalkilashvili, M.T. Maisuradze, Z.A. Shvidkaya, T.P. Pashchenko, and I.M.*

*Bogolyubina. Investigation of Magnesium Alloys Containing Thorium* 227

*Almanzorov, Yu.G. Magnesium Alloys With Rare Metals* 230

*Kulikov, I.M. and V.Z. Sazanov. Effect of Rare-Earth and Alkaline-Earth*

*Metals on Mechanical Properties of Magnesium Alloys of the Magnesium-Al-*

*base and Magnesium-Aluminum-Calcium Systems.* 239

*PART V. RARE METALS IN STEELS*

*Kharchenko, S.V. Effect of Rare-Earth Metals on Sulfur Distribution and*

*Diffusion Conditions in Chromium-Nickel-Molybdenum Steel* 269

Card 64

RESNIKOVICH, I. I.

"Heat and Mass Transfer on Tubes with Spiral Fins."

Report submitted for the Conference on Heat and Mass Transfer, Minsk, BSSR, June 1961.

NARCHENKO, G.F., dotsent; RESNYANSKAYA, Ye.V., assistant

Fusariotoxicosis in swine in Stavropol Territory. Veterinariia 36  
no.9:70-72 S '59. (MIRA 12:12)

1. Stavropol'skiy sel'skokhozyaystvennyy institut.  
(Stavropol Territory--Swine--Diseases and pests)  
(Feed and feeding stuffs--Hygienic aspects)

AUTHOR:

Resnyanskiy, F.M., (Borisoglebsk)

SOV-47-58-6-19/28

TITLE:

An Excursion to the Forge of a Railroad Car Repair Shop  
(Ekskursiya v kuznechnyy tsekh vagonoremontnogo zavoda)

PERIODICAL:

Fizika v shkole, 1958, Nr 6, pp 69 - 72 (USSR)

ABSTRACT:

Before the 9th class students of a secondary school were taken on an excursion to a forge, they were given a preparatory lesson in the use of metals and their plastic properties in forging and stamping. The author gives a detailed description of the various work performed in a forge, of the metals, their properties under different temperatures, the furnaces, the kinds of hammers, punches and other equipment used.

1. Metallurgy--Study and teaching

Card 1/1

RESNYANSKIY, F.M., zasluzhennyj uchitel' shkoly RSFSR.

Experience gained in teaching polytechnical topics. Fiz.  
v shkole 17 no.1:71-74 Ja-F '57. (MLRA 10:2)

1. 47-ya srednaya shkola stantsii Borisoglebsk Yugo-  
Vostochnoy zheleznoy dorogi.  
(Technology--Study and teaching)

RESNYANSKIY, F.M. (g. Beriseglebsk).

Excursion to the forge shop of a railroad car repair shop.  
Fiz. v shkole 18 no.6:69-72 N-D '58. (MIRA 11:12)  
(Ferding) (School excursions)

RESNYANSKIY, F.M., (g.Borisoglebsk)

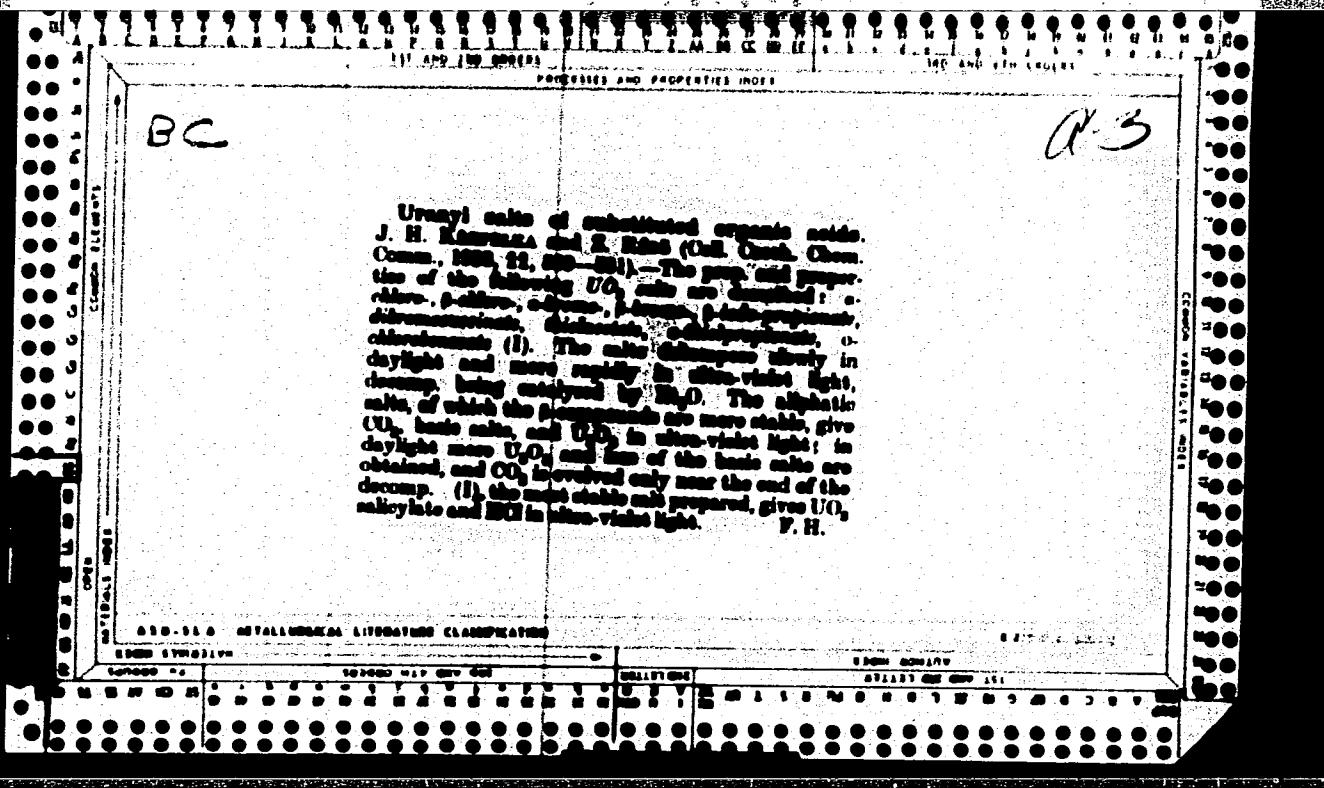
School excursion in a machine shop. Fiz. v shkole 15 no.5:49-51  
S-0 '55. (MIRA 9:1)

1. 47-ya srednyaya shkola.  
(Machine-shop practice) (Physics--Study and teaching)

RESNYANSKIY, F.M.

Excursion for the study of a crane. Fiz. v shkole 13 no.3:27-31 My-Je '53.  
(MLRA 6:6)

1. 44-ya srednyaya shkola, st. Povorino. (Cranes, Derricks, etc.)



**New aryl salts of substituted organic acids.** J. H. Klapka and Z. Ress, Collection Czechoslov. Chem. Commun., 10, 550-81 (1938).—The properties of 10 new aryl salts of org. halogen and thio acids are given.  $\alpha$ -Chloropropionate, green microcryst. powder, feebly doubly refractive tetragonal needles, sol. in 17 parts  $H_2O$ .  $\beta$ -Chloropropionate, green microcryst. powder, isotropic tetrahedra, sol. in 25 parts  $H_2O$ .  $\alpha$ -Bromopropionate, yellowish green, well developed isotropic cubic crystals, sol. in 35 parts  $H_2O$ .  $\beta$ -Bromopropionate, green microcryst. powder, isotropic (combined rhombic octohedra and dodecahedra), sol. in 50 parts  $H_2O$ .  $\beta$ -Indopropionate, yellow microcryst. powder, strongly doubly refractive crystals, chiefly spherocrystals, strongly sol. of the propionates exclud., soluble in 80 parts  $H_2O$ ; of all salts prep'd. this one is the least stable. Dihomo-succinate, green powder, minute spherocrystals, elliptical in shape, with not very strong double refraction, insol. in  $H_2O$ . Thiomolycolate, yellow-green microcryst., doubly refractive needles, sol. in 30 parts  $H_2O$ , slight humidity causes its hydrolysis. Thiodicarboxylic acid, greenish microcryst. isotropic crystals, sol. in 40 parts  $H_2O$ ; the soln. shows anomalous color with a brownish to red tint, owing to hydrolysis.  $\alpha$ -Chlorobenzoate, microcryst. yellow-green, strong spherocrystals feebly doubly refractive, sol. in 240 parts  $H_2O$ .  $\beta$ -Bromobenzoate, microcryst. green, minute rectangular crystals, mixed with lenticular and barrel-like forms, with appreciable double refraction, insol. in  $H_2O$ .

A. A. VETTUS

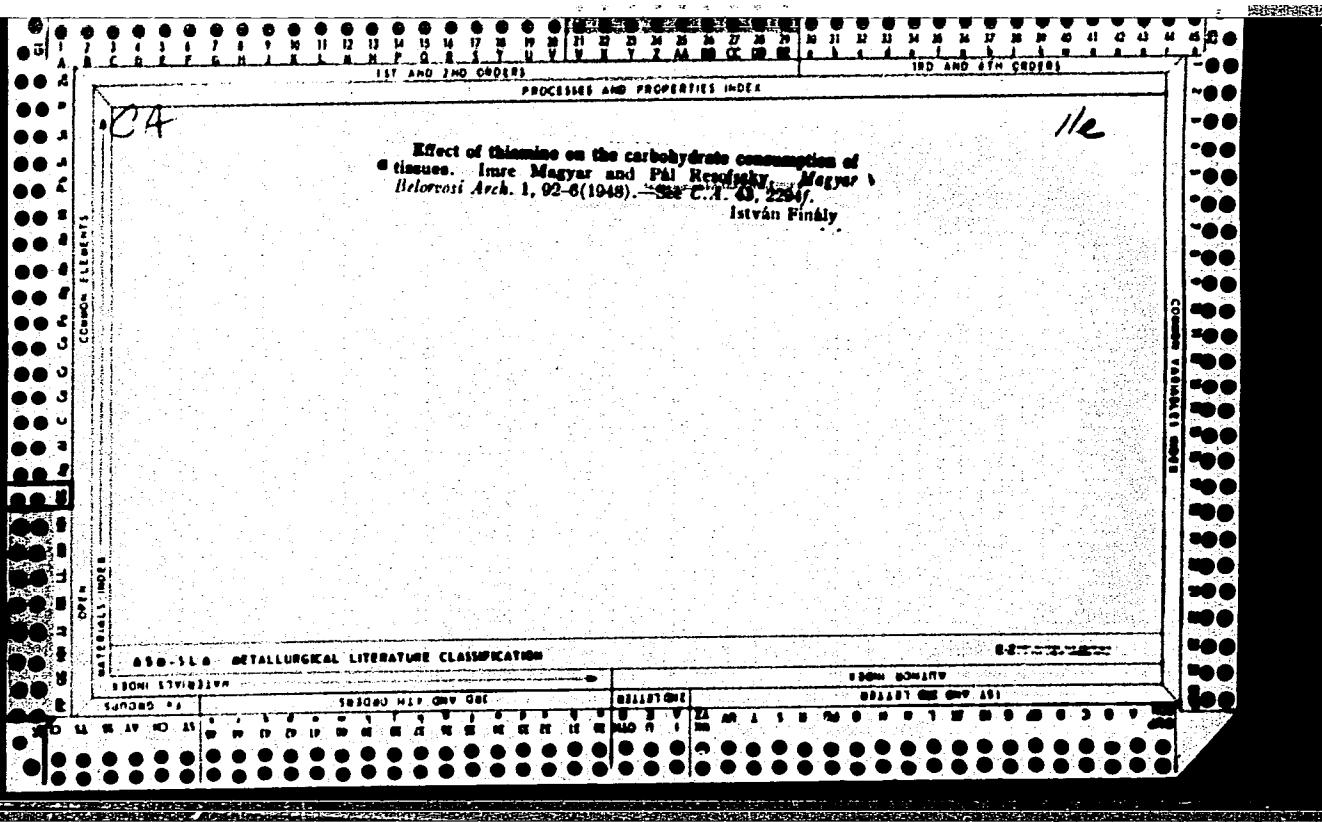
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CIA-RDP86-00513R001444710011-8"

MAGYAR I. and RESCFSZKY P. A Budapesti Pazmary I. tudorányegyetem I. Sz Belklinikájának  
kosleme. Thiamin (B<sub>1</sub> vitamin) hatása a szövetek szénhydrát felhasználásara The influence  
of thiemine (vitamin B<sub>1</sub>) on the utilization of carbohydrates in the tissues Magyar Belorvosi  
Archivum 1948, 1/2 (92-96) Graphs 1 Tables 1

The difference between the sugar contents of arterial (capillary) and venous blood after administration of dextrose and of insulin, respectively, was determined. The difference, which indicates the extent of the utilization of sugar by the tissues, was examined in 30 experiments (10 diabetics and 20 normal) under the influence of thiamine. In the majority of cases there was no change to be registered, i.e. the thiamine had no considerable influence on the utilization of sugar by the tissues. Some exceptional cases belonged to the group of hypophysial disorders (four cases). Thiamine might facilitate the penetration of insulin into the cells of the liver. The balance of the central and peripheral effects depends on the activity of the hypophysis.

SO: Physiology, Biochemistry & Pharmacology 2.1 Jan.-June 1949



REC:OND, Stanislaw; LUTMAN, Roman

The Silesian Institute in Opole; its creation, present  
state and outlook for development. Nauka Pol 9 no.4:171-177.  
C-D '61.

1. Przewodniczacy Rady Naukowej Instytutu Slaskiego.
2. Dyrektor Instytutu Slaskiego w Opolu, ul Lubeszycka 3 (for Lutman).

BLAKALA, Kazimierz, inz.; MICHALIK, Janusz, inz.; RESPONDEK, Alojzy, inz.;  
TARNOWSKI, Ladyslaw; GLOWANIA, Edward

Increasing the disposable power of the power plant of the Florian Steel  
Works by 7 MW. Gosp paliw 11 Special issue no.(95):59 Ja '63.

BLAKALA, Kazimierz, inz.; MICHALIK, Janusz, inz.; RESPONDEK, Alojzy, inz.  
TARNOWSKI, Ladyslaw; GLOWANIA, Edward

Increasing the disposable power of the power plant of the Florian  
Steel Works by 7 MW. Gosp paliw 11 Special issue no.(95):59 Ja '63.

1. Huta Florian- kopalnia Polska.

RESPONDEK, J., major, inz.

24th International Aeronautical Exhibition in Paris. (To be contd.)  
Wojsk przegl 15 no.9:67-76 S '61.

RESPONDER, J.

Q15  
11

Investigation of poly(vinyl chloride) pastes. II. Influence of the diluent on the homogeneity of products obtained by the dipping technique. Włodzimierz Łaskawski and Józef Respondek (Politechnika Wrocławskiego, Wrocław, Poland). *J. Polym. Sci.* 37, 657-61 (1959) (English summary); cf. C.A. 53, 13634a.—The addn. of gasoline reduces considerably the homogeneity of the foil and changes essentially some of the process conditions. The conditions and wrinkling of the foil during double-dipping were particularly studied and are explained. F. J. Hendel

AER-13

2 May

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001444710011-8

RESPONDEK, J., major, inz.

Principles for using fuel for jet engines. Wojsk przegl 13 no.10:  
36-46 0 '61.

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001444710011-8"

RESPCNDEK, J., major, inz.

24th International Aeronautical Exhibition. Wojsk przegl 15 no.10:  
70-82 0'61.

S/081/62/000/024/025/052  
B117/B186

AUTHORS: Łaskawski, Włodzimierz, Respondek, Józef

TITLE: Method of molding hollow products of polyvinyl chloride

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24 (II), 1962, 887 - 888,  
abstract 24P526 (Polish pat. 44387, April 21, 1961)

TEXT: A method of molding hollow products of polyvinyl chloride is patented. It is based on repeated immersion of the cold mold into a polyvinyl paste-containing softeners and volatile diluents. Each time, on emerging from the paste, the film formed on the mold is gelatinized for 40 - 30 min at 55 - 60°C, or for 60 - 40 min at 100 - 110°C, or for 30 - 10 min at 120 - 130°C. Then it is finally gelatinized. The products have a smooth, uniform surface. The softeners were esters of butanol, octanol, highest alcohols, phenol, creosol, phosphoric, phthalic, adipic, sebacic, and oleic acids, multiaomic alcohols and other less volatile compounds, b.p. above 200°C at 20 mm Hg. The amount of softener is 25 - 40 % of the nonvolatile component in the paste. [Abstracter's note: Complete translation.]

Card 1/1

ZIOLKOWSKI, Zdzislaw; RESPONDEK, Jozef; PRZONDO, Jan

Determination of  $\epsilon$ -caprolactam by formaldehyde in technical  
solutions. Chem anal 8 no.2:273-278 '63.

1. Department of Chemical Engineering, Politechnika, Wroclaw.

RESPONDEK, Zdzislaw, inz. (Gdansk)

New constructions and methods in the building industry in  
Danzig. Przegl budowl i bud mieszk 35 no. 6: 282-283  
Je '63.

PALEKIN, T., inzh.-tehnolog (g. Sverdlovsk); RUBEL', L., inzh. (g. Leningrad, nab. Kutuzova, d. 12, kv. 10); BOGACHEV, A. (g. Leningrad); BESKURNIKOV, A.; KHANANOV, A., inzh.

Advertising board. Izobr.i rass. no. 6156-57 Je '60. (MIRA 14:2)

1. Zamostitel' predsedatelya Nezavizkogo obshchestva kinolyubiteley (for Beskurnikov). 2. 207 uchastek, avtokaza No. 10, g. Sochi (for Khananov).

(Technological innovations)

*B7B  
B15*  
*Section 1*

**Apparatus for the distribution of stable masses or the like.** U.  
Munition. (B.P. 673,000, 5.5.50. Austria, 11.8.49).—The floor of  
the travelling receptacle has a no. of doors which are opened  
mechanically as the vehicle travels over the ground. The masses  
is discharged by gravity through these doors. G. Povres.

S/690/62/003/000/001/009  
D201/D308

AUTHOR: Kessin, A.I.

TITLE: Entropy of a random process at the output of a multi-dimensional automatic control system

SOURCE: Akademiya nauk Latviyskoy SSR. Institut elektroniki i vychislitel'noy tekhniki. Trudy, v. 5, 1962. Avtomatika i vychislitel'naya tekhnika, no. 3, 3-7

TEXT: The author considers stationary multidimensional control systems (with several correlated inputs and one output). In steady state, the channel operators may be replaced by the corresponding transfer functions of the channels. If the inputs are stationary Gaussian processes, a normal stationary random process with a certain spectral density is obtained at the output. Since the transfer functions of channels usually have limited pass-bands, the frequency spectrum of the overall output may be assumed to be limited in practice by a finite frequency  $\Omega = 2\pi F$  c/s. Hence the author derives the

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Entropy of a random process ...

S/690/62/003/000/001/009  
D201/D308

total entropy of such a process of duration T using the theorems of V.A. Kotel'nikov and calculates it for a 2TF-dimensional distribution law by determining the dependence of time and frequency coordinates of the output signal using the Parseval formula. There is 1 figure.

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6.9400

34024  
S/109/62/007/001/001/027  
D273/D301

AUTHOR: Ressin, A.I.

TITLE: Indices of efficiency and noise stability of a communications system with random operator

PERIODICAL: Radiotekhnika i elektronika, v. 7, no. 1, 1962, 7-15

TEXT: In a communications system with random operator the author determines the transfer velocity of the signal, the efficiency of the system and the dispersion of error of reproduction of useful signal. The design and exploitation of such a system of communications should be carried out taking into account the gradual change of its indices. The initial state of the system is given in terms of the following: 1) Applied signal  $\varphi(t)$  equal to the useful signal plus the noise, where both of these are non-related stationary gaussian processes; 2) Transmitting link filter, the receiver and the output filter, represented as a differential equation; 3) Parameters of the system which are representative of random values, the characteristics of which are known; 4) A random vector to which

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S/109/62/007/001/001/027  
D273/D301

Indices of efficiency and noise ...

correspond operators of a stationary linear system; 5) An operator corresponding to the effective transmission range; 6) Propagation laws characteristic of the random process at the output of system. The unreliability of a system with a random operator is determined by the random scatter of its parameters. With a non-random operator the unreliability is characteristic of the average conditional entropy. The velocity of transfer of information is given as two symmetrical equations:

$$i_\eta(\xi) = \frac{1}{2\pi} \int_{-\bar{\Omega}}^{\bar{\Omega}} \log \frac{S_\xi(\omega)}{S_{\xi/\eta}(\omega)} d\omega = \frac{1}{2\pi} \int_{-\bar{\Omega}}^{\bar{\Omega}} \log \frac{S_\eta(\omega)}{S_{\eta/\xi}(\omega)} d\omega,$$

where  $\bar{\Omega}$  is the frequency band, and  $S_\xi(\omega)$ ,  $S_\eta(\omega)$  are spectral surfaces of the Gaussian process. Expressions are evolved for the spectral surfaces in terms of the initial moment of the second order operator and these are used to calculate the velocity  $i_\eta(\xi)$  from anyone of the two symmetrical equations. The final form of the expression for  $i_\eta(\xi)$  shows that the increased growth of dispersion is accompanied by a lowering of the velocity of transfer of useful

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S/109/62/007/001/001/027  
D273/D301

Indices of efficiency and noise ...

information. In ideal conditions when the dispersion operator is zero, then:

$$i_\eta(\xi) = \frac{1}{2\pi} \int_0^\infty \log\left[1 + \frac{S_\xi(\omega)}{S_\eta(\omega)}\right] d\omega. \quad (11)$$

A general formula for the productive capacity is arrived at from a consideration of the entropy of the system and this is shown to lead to Channon's formula for the productive capacity of a communications system with a non-random operator. This formula corresponds to a function of the unreliability of the operator equal to unity. The dispersion of error of reproduction of a useful signal is shown to be given by an equation which in ideal conditions of the operator leads to a simpler form for a system with a non-random operator. In an appendix the author determines the entropy of the general effect of signals on the output of linear arrangements of information transmission. According to Kotel'nikov's theorem [Abstraktor's note: Theorem not stated] the full entropy of the output process  $Y_T(t)$  of duration  $T$  is determined by:

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Indices of efficiency and noise ...

34024  
S/109/62/007/001/001/027  
D273/D301

$\mathbb{E}[Y_1, Y_2, \dots, Y_n] = -M[\log f_y(Y_1, Y_2, \dots, Y_n)]$  (n=2TF)  
and the entropy at unit time of the process  $Y(t)$  equals:

$$H[Y] = \lim_{T \rightarrow \infty} \frac{1}{T} \mathbb{E}[Y_1, Y_2, \dots, Y_{2TF}].$$

After a number of considerations and mathematical processes the author arrives at the expression:

$$H[Y] = \frac{\Omega}{\pi} \log \sqrt{4\pi e \Omega} + \frac{1}{4\pi} \lim_{T \rightarrow \infty} \int_{-\Omega}^{\Omega} \log \left\{ \frac{1}{T} \int_0^T S_y^{(T)}(\omega, t) dt \right\} d\omega \quad (VI)$$

where  $S_y^{(T)}(\omega, t) = S_x^{(T)}(\omega) / \Phi(j\omega, t)^2$  and in which  $\Phi(j\omega, t)$  is a transfer function of a non-stationary linear system. An equivalent formula is also derived for the entropy of stationary normal processes. There are 1 figure and 7 references: 6 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: C.E. Shannon, Communication in the presence of noise, Proc. IRE. 1949, 37, 1, 10.

SUBMITTED: December 11, 1960  
Card 4/4

RESSIN, A.I. (Riga)

Reliability indices of nonstationary and steady-state linear  
automatic control systems. Izv. AN SSSR. otd. tekh. nauk.  
tekhn. kib. no.3:39-44 My-Je '63. (MIRA 16:7)

(Automatic control)

RESSIN, A.I. (Riga)

Evaluation of the reliability of an electrical automatic control system. Avtom.i telem. 24 no.2:223-232 F '63.

(MIRA 16:1)

(Automatic control)

ACCESSION NR: AT4038171

S/2690/63/005/006/0191/0200

AUTHOR: Ressin, A. I. (Deceased)

TITLE: Allowance for the reliability indices of electric automatic manufacturing equipment in economic estimates of production

SOURCE: An LatSSR. Institut elektroniki i vy\*chislitel'noy tekhniki. Trudy\*, v. 5, 1963. Avtomatika i vy\*chislitel'naya tekhnika (Automation and computer engineering), no. 6, 191-200

TOPIC TAGS: optimal control, quality control, economic planning, industrial automation, manufacturing method

ABSTRACT: An economic effect of production is defined by the formula

$$E(t) = (v - C_a)N_a(t),$$

where  $v$  -- cost of article produced,  $C_a$  -- cost of acceptable (non-

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ACCESSION NR: AT4038171

rejected) product;  $N_a(t)$  -- number of acceptable articles in a batch, obtained during the time  $t$ . The random quantities introduced are the down time of the equipment, the operating time of the equipment, the productive time of the equipment, and the non-productive time of the equipment. The economic effect of the production is then expressed in terms of the reliability indices of the apparatus, which in turn are expressed in terms of the mathematical expectations of the down time and the productive time of the apparatus. On this basis, the failure probability of the equipment is evaluated at given intervals. Examples of the use of the relations obtained to the solution of production and economic problems and to the design of electric automatic equipment is described. Orig. art. has: 5 figures and 14 formulas.

ASSOCIATION: None /

SUBMITTED: 00

DATE ACQ: 04Jun64

ENCL: 00

SUB CODE: IE

NR REF Sov: 002

OTHER: 000

Card 2/2

RESSIN, A.I. [deceased] (Riga)

Probability characteristics of the error of an automatic control  
system with random parameters. Izv. AN SSSR. Tekh. kib. no.3:95-162  
Je '64. (MIRA 17:10)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001444710011-8

RECORDED AND INDEXED. APPROVED. 6/20/2000.

(MIRA 1338)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001444710011-8"

RESSIN, B., dotsent

"Cancer of the vagina." S.S.Rogovenko. Reviewed by B.Ressin. Akush.  
i gin. no.6:83-86 N-D '54. (MLRA 8:2)  
(VAGINA--CANCER) (ROGOVENKO, S.S.)

RESSIN, B.I., dotsent

"Gynecology" by V.I. Bodiazhina and others. Reviewed by B.I. Ressin.  
Akush. i gin. 35 no.5:119-121 S-0 '59. (MIRA 13:2)  
(GYNECOLOGY) (BODIAZHINA, V.I.) (ZHEMAKIN, K.P.) (KVATER, Ye.I.)  
(MALINOVSKIY, M.S.) (SYROVATKO, P.A.)

RESSIN, B.I.

Data on mud therapy of sterility. Akush. gin., Moskva no.6:58-60  
Nov-Dec 1951. (CLML 21:2)

1. Docent, Candidate Medical Sciences.

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001444710011-8

RESSIN, B. I.

"Sterility and Its Treatment under Conditions in Georgian Health Resorts," Akusher. i Ginekol., No. 5, 1949. Cand. Medical Sci. Mbr., Feodosia Central Sanitarium, -c1949-.

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001444710011-8"

RESSIN, Gr., khudozhnik-konstruktor

Exterior design of agricultural machinery and tractors. Trakt.i  
sel'khozmash. no.8:24-25 Ag '62. (MIRA 15:8)  
(Tractors) (Agricultural machinery)

RESSING, R.

Color photography in bad weather (from "Bild und Ton"). Sov. foto  
22 no.4:39 Ap '62. (MIRA 15:4)  
(Color photography)

L 17692-63

EWT(1)/EWP(q)/EWT(m)/BDS AFFTC/ASD/ESD-3 JD

ACCESSION NR: AP3004887

S/0120/63/000/004/0046/0048

66  
65

AUTHOR: Matveyev, V. V.; Panova, V. P.; Resakazikhina, T. F.; Sokolov, A. D.

TITLE: Fast neutron spectrometry using scintillating lithium iodide single crystals. 11 11 11

SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1963, 46-48

TOPIC TAGS: spectrometry, fast neutron, single crystal, lithium iodide crystal, lithium iodide, fast neutron measurement, fast neutron spectrometry, scintillation crystal decay time, light yield

ABSTRACT: The characteristics of a fast neutron spectrometer using lithium iodide crystals activated with europium and a method for measuring fast neutron spectra in the presence of an intense  $\gamma$ -background are described. The LiI(Eu) crystals were grown by the Stockbarger method at the Institut Kristallografi AN SSSR (Institute of Crystallography of the Academy of Sciences SSSR). The crystals were colorless and transparent. The measurements show that the light yield of the crystals in the region of 4630 Å is approx. 20-30% of that of standard NaI(Tl) crystals. The measured decay time of the crystals was approx. 1.4  $\mu$ sec. In order to obtain measurements with minimum possible distortions, two crystals with identical decay times, differing significantly in sensitivity to fast neutrons

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ACCESSION NR: AP3004887

but equally sensitive to  $\gamma$ -radiation, were used. It was found that lithium iodide crystals made of reagents enriched with the Li<sup>6</sup>[Li<sup>6</sup>I(Eu)] or Li<sup>7</sup>[Li<sup>7</sup>I(Eu)] isotopes are best suited for the purpose. Since no Li<sup>7</sup>I(Eu) single crystals were available to the authors, they used lithium iodide single crystals made of a natural mixture of lithium isotopes. While this combination complicates the method of processing the spectra, it also has certain advantages: crystals more than 10 mm in diameter have approximately the same sensitivity to thermal and slow neutrons, so that the distortions introduced by these particles into fast neutron spectra can be discounted. Fast neutron spectra from a Po + Be source and from a reactor were investigated. The results indicate that the method permits effective separation of neutron and  $\gamma$ -radiation. During measurement of fast neutron spectra the integral load of the spectrometer must not exceed 10<sup>6</sup> pulses/sec, and care must be taken to shield the sensing elements from thermal neutrons. "The authors express their gratitude to A. I. Samakov for preparation of reagents used in growing the crystals." Orig. art. has: 3 figures.

ASSOCIATION: none

SUBMITTED: 31Aug62

DATE ACQ: 28Aug63

ENCL: 00

SUB CODE: NS, PH

NO REF Sov: 001

OTHER: 003

Card 2/2

VYKYDAL, J.; RESSL, J.; DUSEK, J.

Pulmonary haemosiderosis in mitral stenosis. Cor. vasa 6 no.2:  
112-119'64

1. 1st Internal Clinic and Department of Pathological Anatomy,  
Palacky University, Olomouc, Czechoslovakia.

\*

ENDRYS, J.; LUKL, P.; PROCHAZKA, J.; RESSL, J.; ZILSKAL, A.

The influence of acetylcholine on pulmonary hypertension. Cor Vasa  
4 no.1:32-41 '62.

1. Department for Cardiac Surgery, Medical Faculty, Hradec Kralove,  
and First Medical Clinic, Palacky University, Olomouc.  
(ACETYCHOLINE therapy) (HYPERTENSION PULMONARY therapy)

2  
CZECHOSLOVAKIA

KESSEL, J; KUDIS, M.

First Internal Medicine Clinic of Purkyne University  
(I. vnitřní klinika PU), Olomouc (for both)

Bgno, Vnitřní lékařství, № 5, 1963, Pl. 430-436

"Reversibility of Bronchial Obstruction in Mitral  
Stenosis."

RESSL, J.; LUKL, G.; WEINBERG, J.; ZMESKAL, A.; with the technical assistance  
of KOLAROVA, F.

Ventilatory function in mitral stenosis. Cer Vasa 3 no.3:202-214 '61.

1. The First Medical Clinic, Palacky University, Olomouc.

(MITRAL STENOSIS physiol)  
(RESPIRATION physiol)

RESSL, Jaronir

Czechoslovakia

2

First Internal Medicine Clinic (I. vnitrní klinika FJU v Olomouci), Olomouc; Director: P. LUKL, MD.

Brno, Vnitrní lekárny, No 10, Oct 62, pp 1042-1047.

"The Influence of Body Position on Spirometric Measurements in Mitral Stenosis and its Relation to Hemodynamic Findings in the Lesser Circulation."

Co-authors:

KELAYOVA, Marta, First Internal/Medicine/Clinic, Olomouc.

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001444710011-8

KUBIS, M.; VYKYDAL, J.; RESSL, J.; WEINBERG, J.

Phonocardiographic findings in atrial septal defects. Vnitrní  
lek. II no. 6: 521-526 Je'65.

1. I. vnitrní klinika Fakultní nemocnice v Olomouci (prednosta:  
prof. MUDr. Pavel Lukl).

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001444710011-8"

CZECHOSLOVAKIA

RESSL, J; LUKL, P., Prof. Dr.

First Internal Medicine Clinic of Purkyne University  
(I. vnitrní klinika PU), Olomouc, (for both)

Prague, Vnitrní Lekarství, No 9, 1964, pp 859-862

"Oxygen Saturation Changes in Mitral Stenosis."

VYRNALEK, J.; RESSL, J.

Cardiovascular changes after pneumonectomy in children. Česk.  
pediat., 20 no.3 438-441 Mr '6.

1. Aus der Kinderklinik und aus der I. Medizinischen Klinik  
der Universität, Olomouc.

**"APPROVED FOR RELEASE: 06/20/2000**

CIA-RDP86-00513R001444710011-8

**APPROVED FOR RELEASE: 06/20/2000**

CIA-RDP86-00513R001444710011-8"

RESSL, Jaromir

Czechoslovakia

First Internal/Medicine/Clinic (I. vnitrní klinika PU v  
Olomouci), Olomouc; Director: P. LUKL, MD.

Brno, Vnitrní lekárství, No 10, Oct 62, pp 1042-1047.

"The Influence of Body Position on Spirometric Measurements  
in Mitral Stenosis and its Relation to Hemodynamic Findings  
in the Lesser Circulation."

Co-author:

BELAYOVA, Marta, First Internal/Medicine/Clinic, Olomouc.

(2)

RESSL, Jaromir

(1)

Czechoslovakia

First Internal/Medicine Clinic (I. vnitrní klinika PU v  
Olomouci), Olomouc; Director: P. LUKL, MD.

Brno, Vnitrní lekarství, No 10, Oct 62, pp 1042-1047.

"The Influence of Body Position on Spirometric Measurements  
in Mitral Stenosis and its Relation to Hemodynamic Findings  
in the Lesser Circulation."

Co-author:

BELAYOVA, Marta, First Internal/Medicine Clinic, Olomouc.

(2)

CZECHOSLOVAKIA

RESSL, Jaromir

First Internal Medicine Clinic PU (I. vnitrní liknika  
PU), Olomouc

Prague, Vnitrní lekarství, No 4, 1963, pp 339-341

"A Criticism of the so-called Linear Part of  
Forced Expiratory Volume Tracing of Vital  
Capacity."

SOV/111-58-4-25/34

AUTHORS: Murashkin, A.L., Senior Control Engineer of the Pskov Oblast Communication Administration; Ressler, K.P., Senior Engineer of the Electrical Communication Section

TITLE: of the Pskov Communications Office (Ratsionalizatory Pskovskoy kontory svyazi)

PERIODICAL: Vestnik svyazi, 1958, Nr 4, p 31 (USSR)

ABSTRACT: The authors describe the efforts made at the Pskovskoye oblastnoye upravleniye svyazi (Pskov Oblast' Communication Administration) to obtain suggestions for improvement of the available equipment from the employees. Several examples are cited where employees made valuable suggestions for improving the communication equipment. There are 3 photos.

1. Communication systems--Equipment    2. Personnel--Performance

Card 1/1

MURASHKIN, A.I.; RESSLER, K.P.

Innovators in the Pskov Post Office. Vest.sviazi 18 no.4:31  
Ap '58. (MIRA 11:4)

1. Starshiy inzhener po kontrolyu Pskovskogo oblastnogo upravleniya  
svyazi (for Murashkin). 2. Starshiy inzhener otdela elektrosvyazi  
Pskovskogo oblastnogo upravleniya svyazi (for Ressler)  
(Pskov--Postal Service)

BORNEMISZA, Gyorgy, dr.; SZILAGYI, Imre, dr.; BAKO, Geza, dr.;  
KISS, Antonia, dr.; RESSMANN, Valeria; TOTH, Ferenc, dr.

Replacement of vascular defects with lyophylized vascular grafts.  
Magy. sebeszet 7 no.6:418-426 Dec 54.

1. A Debreceni Orvostudomanyi Egyetem Sebeszeti Anatomiai es  
Mutettani Intezetenek kozlemenye. Tanszekvezeto: dr. Bornemisza  
Gyorgy.

(BLOOD VESSELS, transpl.  
homografts, lyophilized)  
(TRANSPLANTATION  
vasc. homografts, lyophilized)

MIHAICU, Florica, dr.; TELNICEANU, A., dr.; CAZACU, E., dr.; BUSUIOC,  
Carmen, dr.; CIURES, Zenovia, dr.; RESTEANU, Cecilia, dr.

Epidemic of streptococcal pharyngitis of alimentary origin.  
Microbiologia (Bucur) 9 no.6:531-538 N-D '64

1. Lucrare efectuata in Institutul de microbiologie, para-  
zitologie si epidemiologie "Dr.I. Cantacuzino" si Inspectia  
de stat pentru igiena si protectia muncii, Bucuresti.

RESTAROVIC, Stjepan, inz.

The Ricica-Zrmanja area serviced by the Obrovac Hydroelectric-Power Plant. Energija Hrv 11 no.9/10:292-297 '62.

1. Zajednica elektroprivrednih poduzeva Hrvatske, Zagreb, Proleterskih brigada 37.

14(6)

YUG/3-58-12-1/27

AUTHORS: Reštarović, Stjepan, Engineer and Begović, Krunoslav, Engineer

TITLE: "Split" Hydropower Plant on the Cetina River (Hidroelektrana  
Split na Cetini)

PERIODICAL: Elektroprivreda, 1958, Nr 12, pp 565-566

ABSTRACT: This is a brief summary of the following two articles.

ASSOCIATION: Elektroprojekt, Zagreb

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14(6)

YUG/3-58-12-2/27

AUTHOR: Restarović, Stjepan, Engineer

TITLE: Hydro-Power Structures of the "Split" Hydropower Plant (Hidro-energetska postrojenja hidroelektrane Split)

PERIODICAL: Elektroprivreda, 1958, Nr 12, pp 566-579

ABSTRACT: The article gives data on the project for constructing the "Split" Hydropower Plant. The geographical, geological, and topographical features of the region are analysed as well as the various factors in the course and flow of the Cetina River. The electric power requirements of the area and the capacity of the plant in its various stages of construction are calculated (Table 1, 2; Figures 3-4) and the whole collated to show the favorability of the site for the dam and power plant. Usage of water from the large storage lake at Peruća, in the upper part of the Cetina River is also included. Details are then given of the final approved variant for the project. Here, the dam will be located near the village of Frančevići, it will be a concrete gravity dam 150 m long and 35 m high, equipped with a spillway and two bottom outlets, with a total discharge capacity of 1,210 cu m per sec. The dam creates a

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Hydro-Power Structures of the "Split" Hydropower Plant YUG/3-58-12-2/27

storage lake for daily compensation, length 4.5 km, total capacity 6,800,000 cu m, and maximum effective capacity 4,600,000 cu m. The intake works are located near the dam on the right bank of the Cetina River. Two 9,641 m parallel conduit tunnels under pressure, separated from each other by a distance of 45 m and with an internal diameter of 6.10 m, will lead from the intake to separate vertical surgetanks - 6.0 m diameter, 36 m high (Figure 11); about 230 m downstream both tunnels are connected to a second, common surgetank, 13.0 m diameter and 50 m high. An underground valvehouse is located about 48 m downstream of this surgetank. Before the valvehouse each conduit tunnel is bifurcated into 2 penstocks, each of 3.5 m internal diameter. After the valvehouse each of the 4 penstocks is fixed by concrete in a 215 m high vertical shaft (Figure 12), leading to the underground power-house. This is 102 m long, 18.5 m in width and has a maximum height of 37.0 m; here are located four main generating units with Francis turbines mounted on vertical shafts, capacity 106,300 kw each, two service units, auxiliary departments, a small repair shop, service transformer, and water brake. Adjoining the power-house is the underground transformer station - 44 m long

Card 2/4

**Hydro-Power Structures of the "Split" Hydropower Plant YUG/3-58-12-2/27**

16 m in width and 12 m high; a 467.5 m cable tunnel connects this transformer house with the outdoor control board and switchyard of 220 and 110 kw (Figure 13). A tailrace tunnel which later merges into a canal, receives the water from the draft tubes and conducts it towards the Cetina estuary near Omiš. The "Split" power plant will be constructed in two stages. In the first stage one conduit tunnel will be completed and two generating units will be installed. This will make possible a yearly output of 1,659 million kwhr, using the compensation storage lake of the "Peruća" hydropower plant (495 million cu m capacity). In the second stage of construction the remaining structures and installations will be completed; possible output will be 2,114 million kwhr. The costs of the first stage will amount to 17,041 million dinars, and in the second stage to 7,974 million dinars; the total costs - 25,015 million dinars. Tables 5 to 7 give the spe-

Card 3/4

Hydro-Power Structures of the "Split" Hydropower Plant YUG/3-58-12-2/27

cifications of costs, quantities of construction materials,  
rentability, etc. There are 2 maps, 9 diagrams, 3 graphs,  
7 tables and 1 sketch.

ASSOCIATION: Elektroprojekt, Zagreb

Card 4/4

RESTEK, I.

Using calcium hydross lfide in tanning leather. p. 570  
TEHNIKA (Savaz inzenjeri tecnicara Jugoslavije)  
Beograd. Vol. 11 no. 4, 1956.

SOURCE: East European Accession Lists (EEAL),  
Library of Congress, Vol. 5, no. 11, Nov. 1956

RESTEK, Ivan

I-29

YUGOSLAVIA/Chemical Technology - Chemical Products and Their  
Application. Leather. Fur. Gelatin. Tanning Agents.  
Technical Proteins

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 14056

Author : Restek Ivan  
Title : Use of Calcium Hydrosulfide in Liming of Hides

Orig Pub : Tehnika, 1956, 11, No 4, 570-572

Abstract : During the liming process, there take place in the hides a weakening of the hair and epidermis, swelling of collagen, saponification of fats, and dissolution of some proteins of the derma. Weakening of the hair occurs due to hydrolysis and reduction of cystine, which require simultaneous presence of hydrosulfide and hydroxyl ions. Calcium hydrosulfide (I) causes considerable weakening of hair but insufficient swelling. Therefore it is recommended to utilize, in liming, I and Na<sub>2</sub>S at a ratio of 2:1, together with lime; this produces an optimal pH of

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YUGOSLAVIA/Chemical Technology - Chemical Products and Their  
Application. Leather. Fur. Gelatin. Tanning Agents. I-29  
Technical ProteinsAPPROVED FOR RELEASE: 06/20/2000 14056 CIA RDP86-00513R001444710011-8  
Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 14056

the solution, good weakening of hair, normal swelling and preservation of the grain layer of leather. I can be successfully utilized in treatment of sheep and lamb hides, since in such a case the wool is better preserved than on use of Na<sub>2</sub>S. Partial replacement of Na<sub>2</sub>S by I, in liming, is economically advantageous. Liming compositions are listed for various raw materials depending on their intended use.

Card 2/2

- 440 -

RESTER, J.; DOIEZAL, Z.

Standardization in the Permanent Coal Commission of the Council for  
Economic Mutual Assistance. p. 39

NORMALIZACE. (Urad pro normalizac) Praha, Czechoslovakia, Vol. 7,  
no. 3, Sept. 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 9, no. 2,  
Feb. 1960

Uncl.

RESSONOVA, M.Ya., PISARCHIK, K.I.

Peculiarities of the skin temperature in children with tuberculous meningitis. Vop.ekh.mat. i det. 2 no.4:86-87 Jl-Ag '57. (MLRA 10:9)

I. Iz Krymskogo gosudarstvennogo meditsinskogo instituta imeni I.V.Stalina.  
(BODY TEMPERATURE) (MENINGES--TUBERCULOSIS)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001444710011-8

RESTAREVIC, S., ing.; ZLATOVIC, B., ing.

Beginning of the operation of the Split hydroelectric power station. Elektroprivreda 14 no.11/12:623-625 N-D '61.

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*REF ID: A6575*  
YUGOSLAVIA/Chemical Technology - Leather. Fur. Gelatine.  
Tanning Agents. Technical Proteins.

H.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 56243  
Author : Restek  
Inst Title : The Influence of an Electric Charge in a Leather Intermediate Product Upon the Technological Processes in Leather Manufacturing.  
Orig Pub : Koza i obuca, 1957, 6, No 3, 81-86  
Abstract : Modern ideas are presented on the influence of an electric charge in a leather intermediate product upon technological process in the manufacture of leather. The most important processes in leather treatment in respect to the collagen charge are discussed. Practical instructions are given for methods of tanning, dyeing, and fat-liquoring.

Card 1/1

YUGOSLAVIA/Chemical Technology - Dyeing and Chemical Treatment  
of Textile Materials.

H.

Abs. Jour : Ref Zhur - Khimiya, No 16, 1958, 56173

Author : Restek

Inst :

Title :

Application of Calcium Hydrosulfide in the Unhairing  
Process.

Orig Pub : Tehnika, 1957, 12, No 9, Hem, ind. 11, No 9, 1<sup>46</sup>-1<sup>48</sup>

Abstract : Wool (W) obtained from the treatment of raw stock with  $\text{Ca}(\text{SH})_2$  and  $\text{Ca}(\text{OH})_2$  contains more cystine (from 5.3% in an average), and is less damaged than when treated with a mixture of  $\text{Na}_2\text{S}$  and  $\text{Ca}(\text{OH})_2$ . The damage in W is caused (in the last case) by the demolishing action of  $\text{SH}^-$   $\text{OH}^-$  ions formed from the dissociation of  $\text{Na}_2\text{S}$  and  $\text{Ca}(\text{OH})_2$ .  $\text{Ca}(\text{HS})_2$  is used in a mixture with  $\text{Ca}(\text{OH})_2$  in a ratio of 1:2 or 2:1 for 4-5 hours. The degree of damage in W was determined by colorimetric determination of its cystine content.

Card 1/1

49

RESTEK,

I  
COUNTRY : Yugoslavia

H-35

CATEGORY :  
ABS. JOUR. : RZKhim., No. 1959, No. 73637

AUTHOR : Restek, I.

INST. :  
TITLE : Preparation and Use of Sulfitized Tanning  
Extracts

ORIG. PUB. : Koza i obuca, 1959, 8, No 2, 41-45

ABSTRACT : Chemism of the sulfitation process is con-  
sidered, and the technological characteristics of the  
sulfitized extracts, as well as experiments on preparation  
and use of sulfitized extracts in tanning. -- D. Gorin.

CARD: 1/1

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Common cold. Orv. hetil. 97 no.24;654-658 10 June 56.

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classif., diag. & differ. diag. (Hun))

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"A Common Purpose."

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The mechanism of fluidity of polymer formation. Zhur.fiz.khim. 30  
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(Polymers)

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"Mechanico-chemical processes in rubber deformation and recovery,"  
a paper presented at the 9th Congress on the Chemistry and Physics of High  
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